Siberia: Its Railway. Leisure Hours. In the whole of Siberia there are avoid is the hundred odd miles by not many more people than there | the shore of Lake Baikal, where are in London, and yet you might | the track will have to be protected put the United States within its by dykes and retaining walls, and boundaries without touching the run under granite crags and over edge anywhere, and fill up the brawling streams and through a gaps and odd corners with all the tunnel nearly two miles long, where States of Europe west of Russia. the mountain spurs drop down It is an enormous territory, in fact, into the lake. From Chita the in which no one district can be route, as originally projected, destaken as representing the rest, so cended the northern bank of the that the most contradictory opinions concerning it appear in books according to the locality visited by duct, and whence it struck to the writers. In a general way it the south to ascend the east can be divided into three zones bank of the Ussuri and reach running right across. To the north, the Tundra, stretching inland from the Arctic Sea, swampy route from Khabarovka southand treeless, ranging from 150 to wards, known as the Ussuri line, 400 miles in width. Then the was somewhat modified, and, as Taiga, throwing its spurs north-ward along the river valleys, as in from the Ussuri river for from two its turn it is broken into by the to twenty miles. It is thus almost arable lands to the south. This is clear of the Ussuri's floods, and is the Siberian forest. "Siberian pop-lars," says Mr. J. Y. Simpson, in first intended. The most difficult "Side Lights on Siberia," "with portion of the whole route, which ash grey stem and quivering leaves; spruces, with their regular isosoles triangled contour and tween Chita and Stretensk, along dark shading; giant larches tower peculiar branches are crowded towns is Onon, whence under the with knob-like bunches of green needles; Scotch firs with cinnamon colored upper trunks toning down to sombre iron grey; the Oriental pitch pine, and, toward the outskirts, birches with pure white gentle stems, or moisture-loving alder-these form the body, while the padding is largely left to the small but graceful Siberian spruce, with smoother bark and darker leaves than the ordinary spruce fir. It is a place of gloom below and silent conflict in midair.' Through it and the third zone of rich agricultural land on which it borders runs the new railway that is to open the country to colonization as the Canadian Pacific is doing for Western Canada. This wonderful railway, the longest ever built by a Government, has nothing to pay for its land, nothing to pay for parliamentary expenses, timid in presence of the strange legal charges or compensation, and is not expected to yield a dividend for a generation. And it a long plume of hissing air bubis estimated to cost about half as bles. A diver who spent some

scheme of the Amur Railway line. Next year three Englishmen, way from Moscow, through Nijni was done beyond a polite acknowlto native energy. As it had become obvious that, as was only would be entirely a Russian enter. prise, foreigners ceased to apply, and plan after plan was submitted by Russian projectors until sufficient information had been obof a special commisson, on whose recommendation the European lines were, in 1878, extended across the Urals to Ekaterinburg, and four years later to Tiumen, which was at first intended to be the departure point of the route to the Pacific. Further surveys were the railway now being built, which was estimated to cost 350,000,000 roubles, and will almost certainly cost more. Throughout its length Miass down to Cheliabinsk, where the enterprise was under final consideration the choice had to be near Nijni Udinsk, the shortest-

making, as showing the difference

between a railway in a populous

a wilderness.

Petropavlosk and the Irtish at | bigger fright I don't know. Omsk, where the bridge is 700 yards long and the embankment always end so. Some years ago and turns northeastward to Atch- the same shark every day for a ınsk. From Cheliabinsk to Koli- week. At first he had no trouble van it is fairly level, and its first in scaring it away; it was enough section to Kurgan almost straight, it he gave a turn to the escape the only curves being to avoid the valve in his helmet and let out a lakes, marshes, bogs and deep little air. But at the end of the valleys that were in its way. At week it had become very trouble-Kurgan it enters a fertile zone in some. The diver signalled for a which right away to the Tchulim | knife and a looped rope, and then | at Atchinsk the only engineering difficulties were in bridging the bait to the shark. The monster rivers. It seems strange at first came on with a rush and was turn sight that it did not go through Tomsk, but that city is difficult of swamps and forests in its neighborhood, and is served by a branch line. Another town that had to be left to the northward was Yeniseisk, the Yenisei being crossed at Krasoniarsk by a bridge 1,000 yards long. Here the line descends with a rush into the valley, to rise its summit level of 3,665 feet. Be- positions.

yond Atchinsk the country is mountainous, and the road is one long succession of cuttings, embankments and bridges over ravines. Another difficult stretch which the surveyors are seeking to Amur to Khabarovka, where it Vladivostok down hill from Lake Khanka. On a further survey the from Cheliabinsk to Vladivostok measures 4,715 miles, is that bethe wild valleys of the Ingoda and Shilka. Midway between these Cassini treaty of 1896 the Trans-Manchurian line is taken off to Tsitsihar. Here one branch is to run north to join the original road, another-the alternative main line -almost due east to Nikolskoi unction on the Ussuri line to Vladivostok, and a third more to the south, and likely to be most used, to Kirin, where it branches with one arm up to Vladivostok and the other to Port Arthur, a branch from Mukden joining the existing line from Tientsin at Shanhaikwan.

Perils Encountered by Divers, David Paton, in "Good Words"

Divers who have been down in

foreign seas tell of exciting encounters with sharks. But it ap pears that "the demon of the sea," with all its voracity, is a little creature that wears a shining helmet, with the eye of a Gorgon and much as the London Great West- years at the Australian pearl fishern, and will be about twice as eries describes in this way his first long. The comparison requires considerable qualification to be of much value, but it is worth while presence before I saw anything. The small fish usually found in great numbers among the corals Extra Fine Lager BEER BREWERY country and one running through had entirely disappeared, and the absence of these flitting little com-The great project took about panions, when one has been accusforty years to think out, and was | tomed to them, produces the effect not of native origin. Soon after of intense stillness. A creepy, in-Muraviev carried Russia to the definable sensation of dread took Pacific seaboard by annexing the | hold of me, and it became one of mouths of the Amur, an English | downright terror when I turned engineer offered to lay a tram road | and saw, within ten feet of me, the across Siberia. In 1857 Collins the | bulk of an immense shark. The American came forward with his creature lay almost motionless, half hidden among a mass of cob Company from Irkutsk to Chita, web corallines. My first thought which is to form part of the present | was to be pulled up; but as fish have human nature enough to want Messrs. Morrison, Horn and a thing as soon as they see it is Sleigh, proposed to build a rail- being taken away from them, I rejected the idea. A sweep of its Novgorod to Tartar Bay. But in | tail, and the great fish and I were their case, as in the others, nothing face to face. Holding my breath, I stood perfectly still, my heart edgment of their suggestions, beating wildly and my eyes riveted which were accepted as stimulants on the wicked eyes and cavernous mouth of the shark. I felt that the monster was inspecting me with natural and politic, the railway some curiosity, and after a few moments I became aware that by an almost inperceptible motion of its flexible tail it was gradually approaching me. Nearer and nearer came the shark, the shovel tained to warrant the appointment | shaped nose pointed directly to my face glass. Flesh and blood could stand it no longer, and with a yell I threw up my arms. Instantly there was a swirl of water. a cloud of mud, and my enemy. vanished."

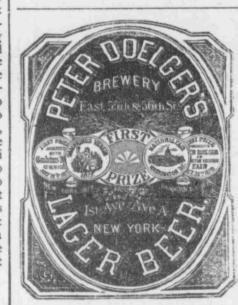
Another shark story, this time from the West Indies. "A large then made, and the outcome was steamer," the diver relates, "had struck on a reef and then slipped off into deep water, taking down with her the mails and a valuable cargo. There were some papers it keeps well to the south, that for | that were particularly wanted, and military reasons it may skirt the I was in the chart room under the frontier, and for commercial pur- bridge working for them when poses it may run through the rich- suddenly, as I turned, I saw the est country and cross the chief snout of a wicked shark close to rivers near their sources as they me. It was a nice fix to be pinned are navigable. The main line up in the corner of a little square from St. Petersburg runs through room with a big brute between me Moscow to Riazan and thence on- and the door. I went creepy all wards, crossing the Volga at Sa- over, I can tell you. But I kept mara and the Bielaya at Uta, to still, and so did he, except that he worked a fin lazily, like a screw the Great Siberian begins. When steamer holding on agains' the tide. I got the knife in my belt loose, and waited. The shark evimade between three routes, but as | dently did not know what to make all the three would inevitably meet of me, and gradually drifted over to the other side of the room. that through Miass, and not began then to move toward the through Tiumen-was determined door, and had almost reached it grst and 92d Streets between 2d and 3d when the shark made a sudden The new line thus crossed the rush in the some direction-and Tobol at Kurgan, the Ishim at disappeared. Which of us got the

But encounters with sharks don't 40 feet high. It then goes through au English diver, who was at work Kainsk, north of Lake Chani, to on a sunken wreck off the island Kolivan, where it crosses the Obi of Diego Garcia, had a visit from boldly held out his bare hand as a ing on its back when it was stabbed by the diver, who then passed the direct approach, owing to the loop round its body and sent it up Jefferson Ave., near Belle Isle Bridge to the surface. A cool head should certainly be included in the equipment of a man why seeks to earn his bread in the sea.

A note from a recent report by Mascart says that a north pole had been found at Kotchetooke, a vilto an equal height on the other lage in Russia. The magnetic side, and run up and down all the needle assumes a vertical position way to Irkutsk and Lake Baikal, at this point, and the horizontal between which and Chita it reaches | needle remains in equilibrium in







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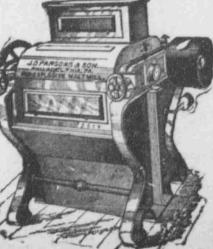
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